

Express Mail No. EL 752187659 US  
PATENT  
102781

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: William Herbert Sahm III et al. :  
Serial No. : Group Art Unit:  
Filed: : Examiner:  
For: METHOD AND APPARATUS FOR  
DETECTING CURRENT :  
:

11002 U.S. PRO  
110/083841  
02/27/02

#5  
8/27/02  
M. Kreager

INFORMATION DISCLOSURE STATEMENT

1.  Pursuant to 37 CFR 1.97(b)  
[within 3 months of filing or prior to 1st Office Action]
2.  Certification Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
3.  Fee Payment Pursuant to 37 CFR 1.97(c)  
[before Final Office Action or Allowance]
4.  Petition, Certification & Petition Fee Payment Pursuant to 37 CFR 1.97 (d)  
[before Issue Fee payment]

Hon. Commissioner for Patents  
Washington, D.C. 20231

Sir:

The following are submitted in the above identified application in compliance with 37 CFR 1.97 & 1.98:

5.  A list of documents on form PTO-1449 together with copies of each identified document and a translation or a concise explanation of each non-English language document is enclosed herewith.

This Paper is submitted in accordance with:

6.  37 CFR 1.97(b): [within 3 months of filing or prior to 1st Office Action]
7.  37 CFR 1.97(c): [before Final Office Action or Allowance, whichever is earlier]; and
8.  The required certification made in item 11 below; or
9.  The \$180 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.

10. — 37 CFR 1.97(d): [before issue fee payment]; and

— a) This is a petition for consideration of the subject Information Disclosure Statement. The petition fee (\$130.00) required by 37 CFR 1.17(i)(1) is authorized in item 14 below. (Direct this letter to: "Attention GROUP DIRECTOR, and if applicable include batch locator information: e.g., "Allowed Files, Batch \_\_\_\_\_, Date of Allowance \_\_\_\_\_"), and

— b) The required Certification is stated in item 11 below.

11. — Certification

12. — Each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

13. — No item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing this document after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing of this Statement.

14.  Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 01-2384. An original and two copies of this document are enclosed.

Respectfully submitted,

  
Thomas M. Fisher  
Reg. No. 47,564  
Armstrong Teasdale LLP  
One Metropolitan Square, Suite 2600  
St. Louis, MO 63102-2740  
(314) 621-5070

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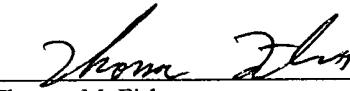
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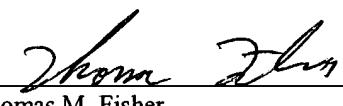
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| <p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p> |   |    |   | <b>Complete if Known</b> |                          |
|                                                                                                                                           |   |    |   | Application Number       |                          |
|                                                                                                                                           |   |    |   | Filing Date              |                          |
|                                                                                                                                           |   |    |   | First Named Inventor     | William Herbert Sahm III |
|                                                                                                                                           |   |    |   | Group Art Unit           |                          |
| Examiner Name                                                                                                                             |   |    |   |                          |                          |
| Sheet                                                                                                                                     | 1 | of | 1 | Attorney Docket Number   | 102781                   |

11002 U.S. PTO  
10/08/02 02/27/02

**U.S. PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                      | Name of Patentee or Applicant<br>Of Cited Document | Date of Publication of Cited<br>Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant<br>Passages<br>or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|--------------------------------------|----------------------------------------------------|--------------------------------------------------------|---------------------------------------------------------------------------------|
|                    |                       | Number               | Kind Code <sup>2</sup><br>(if known) |                                                    |                                                        |                                                                                 |
| AA                 | 3,944,846             |                      |                                      | Thompson et al.                                    | Mar. 16, 1976                                          |                                                                                 |
| AB                 | 4,106,071             |                      |                                      | Sun et al.                                         | Aug. 8, 1978                                           |                                                                                 |
| AC                 | 4,125,884             |                      |                                      | Sun                                                | Nov. 14, 1978                                          |                                                                                 |
| AD                 | 4,208,687             |                      |                                      | Sun et al.                                         | Jun. 17, 1980                                          |                                                                                 |
| AE                 | 4,218,718             |                      |                                      | Sun                                                | Aug. 19, 1980                                          |                                                                                 |
| AF                 | 4,384,246             |                      |                                      | Larsen et al.                                      | May 17, 1983                                           |                                                                                 |
| AG                 | 4,607,217             |                      |                                      | Bhargava                                           | Aug. 19, 1986                                          |                                                                                 |
| AH                 | 5,262,677             |                      |                                      | Ramirez                                            | Nov. 16, 1993                                          |                                                                                 |
| AI                 | 5,677,852             |                      |                                      | Juhlin                                             | Oct. 14, 1997                                          |                                                                                 |
| AJ                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
| AK                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
| AL                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
| AM                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
| AN                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
| AO                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
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| AQ                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |
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| AT                 |                       |                      |                                      |                                                    |                                                        |                                                                                 |

**FOREIGN PATENT DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document |                     |                                      | Name of Patentee or<br>Applicant of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|-------------------------|---------------------|--------------------------------------|----------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------|----------------|
|                    |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |                                                    |                                                        |                                                                              |                |
| FA                 |                       |                         |                     |                                      |                                                    |                                                        |                                                                              |                |
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| FE                 |                       |                         |                     |                                      |                                                    |                                                        |                                                                              |                |
| FF                 |                       |                         |                     |                                      |                                                    |                                                        |                                                                              |                |
| FG                 |                       |                         |                     |                                      |                                                    |                                                        |                                                                              |                |

|                    |                  |
|--------------------|------------------|
| Examiner Signature | Date Considered: |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See Attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WSIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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